

RE: NWOD Segment 2A - Canal Bottom Residuals Confirmation Zones Z-1039 and Z-1041 from WRF Lift Station to UD1

Paul Fuglevand to: Hernandez.Kathryn

09/20/2012 10:35 AM

From: "Paul Fuglevand" <pfuglevand@dofnw.com>

To:

Cc: "'Elizabeth Palmer'" <epalmer@utah.gov>, "Bill Rees" <brees@utah.gov>, "Laura Briefer" <laura.briefer@slcgov.com>, "Pak, Eugene" <EugenePak@chevron.com>, "Rob Webb" <rwebb@dofnw.com>, "Skance, John" <John.Skance@bp.com>, "Galen Williams" <gwilliams@earthfax.com>, "Richard B. White" <rbwhite@earthfax.com>, "Scott Murphy" <smurphy@earthfax.com>, "Eve Barron" <EveBarron@chevron.com>, "Kevin Murray" <kmurray@chapman.com>, "Nicole Squires" <squires@chapman.com>, <Sheila.Dcruz@bp.com>, "Cooper, Dave" <dcooper@dofnw.com>, "Dan Pickering" <dpickering@dofnw.com>, "Suzanne Kaminski" <skaminski@dofnw.com>

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Here is the attachment.

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From: Paul Fuglevand [mailto:pfuglevand@dofnw.com]

Sent: Thursday, September 20, 2012 9:34 AM

To: Kathy Hernandez

Cc: 'Elizabeth Palmer'; Bill Rees; Laura Briefer (laura.briefer@slcgov.com); Pak, Eugene; Rob Webb (rwebb@dofnw.com); 'Skance, John'; Galen Williams (gwilliams@earthfax.com); Richard B. White; Scott Murphy (smurphy@earthfax.com); Eve Barron; Kevin Murray; 'Nicole Squires'; Sheila.Dcruz@bp.com; Cooper, Dave (dcooper@dofnw.com); Dan Pickering (dpickering@dofnw.com); 'Suzanne Kaminski'

Subject: NWOD Segment 2A - Canal Bottom Residuals Confirmation Zones Z-1039 and Z-1041 from WRF Lift Station to UD1

Kathy, attached is a memo with canal photographs that summarizes the discussion and preliminary conclusions reached during the 9/19/2012 NWOD Segment 2A Weekly Agency Coordination Meeting with Bill and Liz of UDEQ regarding the proposed Canal Bottom Residuals between the WRF lift station and the temporary upstream diversion dam UD1 (Z-1039 and Z-1041).

We would like your review and approval and/or other direction regarding the recommendations in the memo, which are restated below. A decision this week would allow the work in Segment 2A to continue without delay. Let me know if you have any other questions that need to be addressed.

RECOMMENDATIONS – SEGMENT 2A NWOD CANAL, CONFIRMATION ZONES Z-1039 AND Z-1041.

The dark-brown root-cast like features with free product found within the light gray native material appear to be very similar to what was seen in Segment 1 last year on the other (south) side of the lift station and along the sidewalls in Segment 1. The recommended approach to deal with these materials within Confirmation Zones Z-1039 and Z-1041 of Segment 2A (from the WRF Lift Station to UD1) is to apply the methods that were approved and implemented in Segment 1 and that have been approved for the excavation adjacent to the box culvert at 2300 N:

- <![if !supportLists]>1. <![endif]>Remove sediment and impacted native material to the degree practicable and feasible without impacting the overall stability of the adjacent upland. The excavation in Z-1039 has reached this condition, and the excavation in Z1041 will be excavated to this condition.
- <![if !supportLists]>2. <![endif]>Classify the impacted native material remaining after this excavation as Canal Bottom Residuals in accordance with the SAP/QAPP.
- <![if !supportLists]>3. <![endif]>Complete confirmation sampling of each Confirmation Zone in accordance with the SAP/QAPP.
- <![if !supportLists]>4. <![endif]>Collect and analyze discrete samples in accordance with the SAP/QAPP to characterize stained ring of soil near the high water line (such as shown on Figure 4) and the impacted soil left in place at the downstream edge of the concrete apron at the lift station, as well as other designated Canal Bottom Residuals.
- <![if !supportLists]>5. <![endif]>Construct a cover over the impacted material left in place at the edge of the concrete apron at the lift station in a manner similar to that approved for the excavations adjacent to the box culvert at 2300 North: Filter fabric placed over the exposed surface, covered by a nominal six inches of base course material, and then overlain with quarry spalls or rip rap as appropriate.
- <![if !supportLists]>6. <![endif]>Boulders removed from the canal will be washed to remove residual sediment or product and then placed back in the canal.
- <![if !supportLists]>7. <![endif]>Backfill the bottom of the canal with base course material and quarry spalls as appropriate to provide for bank stability as directed by the project geotechnical engineer.
- <![if !supportLists]>8. <![endif]>Flood the portion of the canal between the WRF lift station and UD1 (Z-1039 and Z-1041) once the above conditions have been achieved.

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